



Attorney Docket No.: RO-11,003

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: ROBERT W. BROCIA

Serial No.: 09/005,711

Group Art Unit: 1643

Filed: January 12, 1998

Examiner: R. Gitomer

For: METHOD TO DETERMINE THE ACTIVITY OF AN ENZYME

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**AMENDMENT**

This amendment is being submitted in response to the Office Action dated June 1, 2001.

Please amend the specification as follows:

**IN THE CLAIMS**

Please cancel claims 23-30 without prejudice. Please add new claims 31-38.

31. (New) A method for measuring activity of a protein that transports substances among donor/acceptor substances comprising:

(a) obtaining a sample comprising said protein;

(b) incubating said sample with (i) a donor substance labeled with a light emitter wherein light emitted from said light emitter increases with increasing activity of said protein and (ii) a light emission intensity quencher, wherein quenching of light emission intensity by said quencher increases with concentration of acceptor endogenously present in said sample, wherein said quencher acts as a normalization factor and

(c) detecting light emission intensity to determine activity of said protein.

32. (new) The method according to claim 31, in which the donor substance comprises a fluorescent lipid.